

What Is Claimed Is:

1. Robot, specifically painting robot, having at least one moveable member (4, 5, 6, 4', 5', 6') which has a conduit for lines (8, 8') which houses at least one line (9, 10, 11, 9', 10', 11', 22, 23), characterized in that the line is disposed at least partially in a spiral or winding shape in the conduit (8, 8') and/or is carried by an axially compliant bellows (14, 15, 16, 18) in order to allow an axial movement of the line (9, 10, 11, 9', 10', 11', 22, 23) with a change in the robot's position.
2. Robot from claim 1, wherein the bellows (14, 15, 16, 16, 18) seals the conduit for the lines (8).
3. Robot from at least one of the preceding claims, wherein several lines (9, 10, 11) are furnished, where each of the lines (9, 10, 11) is carried individually by a bellows (14, 15, 16).
4. Robot from at least one of the preceding claims, wherein several lines (14', 15', 16') are furnished, where the lines (14', 15', 16') are passed jointly through one bellows (18).
5. Robot from claim 4, wherein the lines (14', 15', 16') are passed through a guide plate (20) which is carried by the bellows (18) in an axially compliant manner.
6. Robot from claim 5, wherein the bellows (18) encompasses the guide plate (20) and is pressed against the peripheral edge of the guide plate

(20) by a spring retaining ring (21).

7. Robot from at least one of the preceding claims, wherein the bellows (18) has an attaching flange (19) which is attached to a mounting plate (12').
8. Robot from at least one of the preceding claims, wherein the bellows (14, 15, 16) is pressed onto a screw-in nipple (13), where the screw-in nipple (13) is threaded into a hole in the mounting plate.
9. Robot from at least one of the preceding claims, wherein the bellows (14, 15, 16, 18) consists at least partially of natural rubber, styrene butadiene rubber, acrylic nitrile rubber, chlorobutadiene rubber, fluorine rubber or polychlorotetrafluoroethylene.
10. Robot from at least one of the preceding claims, wherein the bellows (14, 15, 16, 18) has an axial compliance in the range of 5 mm to 30 mm.
11. Robot from claim 1, wherein the line (22) is wound spirally around a guide element located in the conduit (8').
12. Robot from claim 11, wherein the guide element is an axially extensible line (23).